

Claims

- [c1] 1. An insulator for an armature core of a rotating electrical machine, the core having an annular section from which a plurality of circumferentially spaced teeth extend in a radial direction and defining slots therebetween, said insulator being comprised of a cylindrical portion having a plurality of circumferentially spaced tooth covering portions extend in radial directions, each of said tooth covering portions having a generally channel shape in radial cross sections for covering a radial face of a respective of the core teeth and at least a portion of the side surfaces of the tooth facing the slots between adjacent of the teeth, the radially outermost part of each of said tooth covering portions being formed with a axially extending flange to form an abutment against which a coil winding is abuttingly engaged, said insulator being formed with a slot like recess contiguous to said axially extending flange to trap the wire of the coil winding end to prevent it from slipping along the generally channel shape portion in a radial direction.
- [c2] 2. An insulator as set forth in claim 1 wherein the recess is formed in the axially extending flange.

- [c3] 3. An insulator as set forth in claim 2 wherein the recess is tapered from the radially inner end of the flange toward its circumferential center.
- [c4] 4. An insulator as set forth in claim 3 wherein there are a pair of like formed recess on opposite sides of the flange.
- [c5] 5. An insulator as set forth in claim 2 wherein the recess is formed as a slot along the radially inner edge of the flange extending circumferentially toward the center of the flange.
- [c6] 6. An insulator as set forth in claim 5 wherein the slot along the full length of the flange extending circumferentially toward the center of the flange.
- [c7] 7. An insulator as set forth in claim 2 wherein the recess is formed by a step in the axial end of the flange.